Pendant Ceiling Fixture Unit Glass Refractor

**MERCMASTER™ LED LOW PROFILE LUMINAIRES — ENCLOSED AND GASKETED**

- Compact light weight low profile design is suited for low mounting heights.
- Six standard mounting hood designs allow for mounting in any location. Uses same mounting hoods as Mercmaster III.
- Customize to the application requirements with four different globe options: clear and diffused polycarbonate, clear glass, or prismatic glass refractor.
- Three light output levels for retrofit of HID fixtures up to 150 W.
- Hinge has high lip for added safety during installation and servicing. Hinge and bolt construction assures 360° compression at all points on fixture housing gasket for positive sealing. Swing away design of captive bolt and nut simplifies servicing.
- Ambient Temperature: BU: -40°C to +55°C (-40°F to +131°F)
  BH: -30°C up to +55°C (-22°F up to +131°F)
- Standard screw-type terminal block can accept UL/CSA 24-8 AWG wire.
- Standard NPT threads.
- Electrical Ratings:
  - Input Voltage: 120-277 Vac, 50/60Hz , 347-480 Vac, 50/60Hz
  - Power Factor: >0.9
  - Surge Protection Common/Differential Mode:
    - 100kHz Ring Wave (w/t 30Ω): up to 6 kV
    - 1.2/50 µs Combination Wave (w/t 2Ω): MLLED2, MLLED3 up to 4 kV; MLLED4 3 kV
  - Total Harmonic Distortion (THD): <20%

**SUITE LOCATIONS**
- Enclosed and gasketed fixtures suitable for use in:
  - A wide range of industrial, chemical processing and other areas where flammable gases and vapors are present
  - Marine and wet locations
  - Areas of low clearance, low ceiling heights or where fixture weights must be minimized
- Typical applications include:
  - Pulp and paper mills
  - Chemical plants
  - Petrochemical facilities
  - Oil refineries
  - Drilling rigs
  - Foundries
  - Waste and sewage treatment
  - Mining
  - Steel mills

**OPTIONS**
- Glass globe guard is stainless steel wire.
- Glass refractor guard is die cast aluminum with gray epoxy powder coating to match fixtures.
- All Mercmaster mounting hoods have provision for fuses in fixtures; add suffix -F at the end of the catalog number.
- Photocontrols are available with all except ceiling and pendant cone mounting hoods.
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**STANDARD MATERIALS**
- Mounting hoods and bodies: cast copperfree (4/10 of 1% max.) aluminum
- All hardware and catch assemblies: stainless steel
- Globe: polycarbonate or glass
- Refractor: heat-resistant prismatic glass
- Glass globe guard: stainless steel wire
- Glass refractor guard: die cast aluminum
- Reflectors: fiberglass reinforced white polyester

**STANDARD FINISHES**
- Mounting hoods, bodies and glass refractor guard: baked gray epoxy powder coat finish, electrostatically applied for complete uniform protection

**NEC/CEC RATINGS**
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2, Group IIC
- Class II, Division 1, Group E, F, G
- Class II, Division 2, Group F, G
- Zone 20, Group IIIA, IIB
- Class III
- Zone 20, Group IIIA
- Type 3R, 4, 4X
- IP66
- Simultaneous Exposure
- Suitable for Use in Wet Locations
- Marine Outside Type (Salt Water) For USA ONLY
- DLC Qualified Products Listed

For product information:
www.appletonelec.com
1.800.621.1506

© Factory Installed.
© Available for 120-277 Vac models only.
× Use of fuse voids Marine Outside Type (Salt Water) rating.
Mercmaster™ LED Low Profile Luminaires — Enclosed and Gasketed

 MLLEd2 | MLLEd3 | MLLEd4
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 Voltage Range | BU: 120-277 Vac, 50/60Hz | BH: 347-480 Vac, 50/60Hz | BU: 120-277 Vac, 50/60Hz
 Input Power (@ 120V) | 26W | 35W | 48W
 Lumen Output (Lumens) | 2400 | 2300 | 3400 | 3500 | 4800 | 4800
 – Clear Polycarbonate | 2300 | 2200 | 3300 | 3300 | 4600 | 4600
 – Diffused Polycarbonate | 2500 | 2400 | 3600 | 3600 | 5000 | 5000
 – Clear Glass | 2200 | 2100 | 3100 | 3100 | 4300 | 4500
 – Prismatic Glass | .21@120V | .07@347V | .29@120V | .10@347V | .41@120V | .13@347V
 Line Current | .10@277V | .05@480V | .13@277V | .07@480V | .20@277V | .10@480V
 T-Rating | T4 | | | | | |
 Ambient Temperature | BU: -40°C to +55°C (-40°F to +131°F) | BH: -30°C up to +55°C (-22°F up to +131°F)
 CCT/CRI | 5700K / 70 | | | | | |
 Fixture Weight | MLLED2/MLLED3: 9lbs (4.1 kg) | MLLED4: 10.1 lbs (4.6 kg) |
 Standard Materials | Epoxy powder coat finish, electrostatically applied for complete, uniform protection |
 Lifetime | 60,000+ hours |
 Warranty | 5 years |

Photometric Comparisons at 10ft Mounting Height ©

1. Ceiling and pendant cone hood mounted luminaries are not designed to use the PCD2 photocontrol. Ceiling mounts must use an FS/FD box with a photocontrol. Contact your local sales representative for more information.
2. Factory installed.
3. Luminaires with photocontrol are not rated IP66, Marine Outside Type (Salt Water), or Class II. Photocontrol available for 120-277 Vac only.
4. Guards for the glass refractors and globes are ordered separately. See the Accessories for more information.
5. For specific lumen output information, see Lamp Comparison Chart.
6. 120V-277 Vac versions only. For 347-480 Vac version, please see Mercmaster LED Low Profile catalog pages.

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Note: The table and diagrams contain specific information about the MLLED series, including voltage ranges, input power, lumen output, and photometric comparisons at 10ft mounting height. The diagrams illustrate the light distribution for different models, such as MLLED2P5BU with Clear Polycarbonate Lens, MLLED3DSBU with Diffused Polycarbonate Lens, MLLED3GSBU with Glass Globe, and MLLED3J5BU with Glass Refractor. All necessary safety and installation guidelines are also provided.